

REMARKS

Applicant respectfully submits the above amendments without adding new matter.

In connection with the drawings, formal versions of FIGS. 2A and 2B were provided to replace the as-filed informal FIGS. 2A and 2B without changing content and without adding new matter.

In the above amendments to the written specification, a paragraph on page 10 was amended to add two sentences of description. These two sentences are fully supported in U.S. Provisional Patent Application No. 60/228,772 which is a source of priority and which is incorporated by reference. The support can be found, for example, in U.S. Provisional Patent Application No. 60/228,772 on its page numbered as 19 at bottom, at lines 9-14, which read:

For example, if there are exactly  $m$  packets lost in a parity group, only  $(m-R)$  of the  $m$  lost packets need to be retransmitted.

On the other hand, retransmission can start as soon as the receiver detects the loss of the  $(R+1)^{\text{th}}$  packet without waiting for the whole parity group to arrive. We assume that given there are  $m$  ( $m > R$ ) packets lost in the first transmission of a parity group, the receiver will request retransmission for the last  $(m-R)$  of these lost packets.

Thus, as can be seen without any doubt, no new matter is added.

In the above amendments to the written specification and the abstract, section headings were rephrased merely for anticipated conformity with the planned updated copy of the application that will be filed imminently for Pre-Grant Publication using the U.S.P.T.O.'s Electronic Filing System.

In the above amendments to the claims, new claims 2-21 were added to more thoroughly claim Applicant's invention. Claim 1 was canceled in order to reduce the overall number of independent claims.

CONCLUSION AND SIGNATURE

If the Examiner has any questions regarding the present Application or the present Amendment or the planned Electronic Filing for Pre-Grant Publication mentioned above, the Examiner is invited to call Applicant's representative at the telephone number indicated below.

Following starting on a separate sheet is a version of amendments with markings to show changes made.

Respectfully submitted,

Date: April 5, 2002

  
\_\_\_\_\_  
Chiahua George Yu  
Reg. No. 43,301  
Attorney for Applicant  
Tel: (408) 739-4518  
Fax: (408) 739-2300

Law Offices of C. George Yu  
1250 Oakmead Parkway  
Suite 210  
Sunnyvale, CA 94085  
U.S.A.



PATENT  
Attorney Docket No.: CUH-005.01

VERSION OF AMENDMENTS WITH MARKINGS TO SHOW CHANGES MADE  
(relative to the originally-filed paper copy of the present Application.)

IN THE WRITTEN SPECIFICATION:

On page 1:

Cross Reference to Related Applications [RELATED APPLICATIONS]

On page 1:

Background of Invention [BACKGROUND OF THE INVENTION]

On page 2:

Summary of Invention [SUMMARY OF THE INVENTION]

On page 2:

Brief Description Of Drawings [BRIEF DESCRIPTION OF THE DRAWINGS]

On page 3:

Detailed Description [DETAILED DESCRIPTION OF SPECIFIC EMBODIMENTS]

On page 10, at the paragraph that was at lines 13-19:

However, active recovery does have its own problem: the total number of lost packets is not known until the whole parity group is received. Hence, if the receiver initiates retransmission before the entire parity group has arrived, some retransmitted packets may be unnecessary if it turns out fewer than  $R$  packets are lost in this parity group. This defeats the purpose of introducing redundant packets in the first place. Therefore, the receiver defers retransmission until the whole parity group has arrived. **[On the other hand, for example, if there are exactly  $M$  (where  $M > R$ ) packets lost in a parity group, only  $(M - R)$  of the  $M$**

**lost packets need to be retransmitted. Retransmission can start as soon as the receiver detects the loss of the  $(R + 1)$ 'th packet without waiting for the whole parity group to arrive; the receiver will request retransmission for the last  $(M - R)$  of the lost packets.]**

**On page 13:**

**Claims [What is claimed is:]**

**IN THE ABSTRACT:**

**On page 14:**

**Abstract of Disclosure [ABSTRACT]**